**Activity 11. Stakeholder attendance at Activity Stops and activity description**

|  |  |  |
| --- | --- | --- |
| **Activity** | **Activity 11. Discussion with an Innovation Platform** | |
| **Lead Researcher** | **Patrick Okori** | |
| **Host farmer** | **Moshi Maille- venue Mlali** | |
| **\*Stakeholder attendance (category and anticipated number)** | **Category** | **Number of persons to be met** |
| Farmers, | 10-15 |
| Local extension staff | 2 |
| DAICO | 1 |
| Agro-dealer and Processor | 2 |
| Project researchers | 5 |
| **Activity Summary with references to documents** | **Summary**  The Kongwa-Kiteto Africa RISING research team launched its first innovation platform in February 2013. Participants are drawn from diverse stakeholders associated with crops and livestock value chains in both districts. IP Meetings also involve participants from Government Statutory Agencies such as the Ministry of Agriculture, Tanzania Food and Drugs Authority, Tanzania Food and Nutrition Centre and Zonal Agricultural Research Centres, District Local Government and complementary USAID supported programmes-NAFAKA and Tuboreshe-Chakula.  The aim of this Innovation Platform (IP) is to bring stakeholders together to clarify issues needed for effective deployment of R&D innovations and complementary interventions focusing on maize, groundnut and pigeonpea value chains. It also seeks to leverage on the agro-pastoral production systems of Kongwa and Kiteto. Agro-forestry based interventions and how they could be used to improve soil fertility, pasture management, food and incomes are also an integral part of IP discussions.  The IP has a three tier operation structure i.e. the community (village), where R4D interventions occur; the district (through the District Agricultural Offices); and Regional level bringing the two Districts of Kongwa and Kiteto. At district level, policy that affects adoption, scaling-out and broader policy issues are leveraged. At the regional level, stakeholders from both districts discuss common challenges and have implications especially for access to markets.  Common action areas derived from the IP include:   1. Testing and deployment of resilient varieties and animal breeds for 2. Better adaptability to changing rainfall pattern; 3. Increased productivity and adaptability to pests and diseases; 4. Improve resource use efficiency reducing costs but increasing productivity. 5. Testing and deployment of resource efficient agronomy and their related animal husbandry. 6. Improving access to agricultural inputs especially improved seed at community level. 7. Unlocking the potential for markets, food, nutrition and safety of key crop products.   Improving pasture quantity and quality.  Documents:  **\*\*Reports**:   * Innovation Platform * Power relationship study within the Kongwa innovation platform | |

**\*see excel sheet for IP members expected to attend**

**\*\*Jonathan to help with uploading of attached files**

**Activity 12a. Stakeholder attendance at Activity Stops and activity description (One page per Activity stop).**

|  |  |  |
| --- | --- | --- |
| **Activity** | **Activity 12. Dryland research: Elite crops; intercropping; insitu water harvesting** | |
| **Researcher** | **Okori, Kimaro, Swai, Ngwira, Mwololo** | |
| **Host farmers** | **Moshi Maille-Mlali** | |
| **Stakeholder attendance (category and anticipated number)** | **Category** | **Number of persons to be met** |
| Farmers | 10-15 farmers + 20 invitee farmers |
| Local extension staff | 2 |
| DAICO | 1 |
| Project researchers | 5 |
| **Activity Summary with references to documents** | **Summary**  **The sub-ecologies**: These studies are being implemented in three sub-agroecologies i.e., high potential zones (Chitego and Mlali villages)- receives > 500 mm of rainfall; Moderate potential zones (Njoro or Kiperesa villages)- receives > 400-500 mm of rainfall and low potential zones (Laikala or Moleti and Igula)- receives < 350 mm of rainfall Kongwa, Kiteto and Iringa districts of central Tanzania). These sub-agroecologies are targeted for new adapted varieties and improved agronomy to increase their productivity.  **1. Elite crops:** The aim is to complete the genotype x management x sub ecology studies of candidate new varieties in semi-arid Tanzania.The test material includes:   1. Groundnut: Three new genotypes-ICGV-SMs 03519, 05650, 02724 and a local check 2. Pigeonpea: Three new genotypes- ICEAPs 00040, 00554, 00557 and one a local check 3. Sorghum: Five new sorghum genotypes- Gambela 1107, IESV 92028 DL, IESV 23010 DL, IESV 23006, IESV 92008 and 1 local check.   The site at Mlali represents ahigh potential sub-ecology. Mlali has both researcher (mother) and farmer (baby) implemented trials (mother-baby approach). The mother site-(Moshi Maille), has all the test experiments, whilst the baby site has only one treatment and a control. Experiments have been established using two planting dates (early planting and 2-3 weeks after the first planting.  **2. Cropping systems**  This work is hosted at Mlali ahigh potential sub-ecology. Two sets of experiments to investigate suitability of improved legume-cereal and legume-legume intercrops under stressed and moderately stressed conditions. The test materials include:   * Pigeonpea (medium and long duration) + groundnut (short and medium duration) * Pigeonpea + Sorghum   Productivity of the system will be modelled along with data generated for other sites in which the Moshi-Maile site using Agriculture Production Simulator Modelling (APSIM).  **Documents**:  **Soil and water conservation**  E.Y. Swai, A. R. Ngwira,P. Okori, W. M. Munthali, M. Bekunda,A. Kimaro. Effects of in-situ rainwater harvesting techniques on run-off, soil moisture content and maize yield in semi-arid areas of Central Tanzania. **Submitted to:** Soil Use and Management. See Africa RISING reports for 2016-2018  **Nutrition**  Anitha Seetha, Wills Munthali, Harry W. Msere, Elirehema Swai, Yasinta Muzanila, Ethel Sichone1, Takuji W. Tsusaka, Abhishek Rathore and Patrick Okori 2017. Occurrence of aflatoxins and its management in diverse cropping systems of central Tanzania. Mycotoxin Res. DOI 10.1007/s12550-017-0286-x  Anitha Seetha, Yasinta Muzanila, Takuji W. Tsusaka, , Lizzie Kachulu, , Nelson Kumwenda, , Mike Musoke, Swai Elirehema, Jackson Shija, Moses Siambi, Emmanuel S Monyo, Bekunda Mateete, and Patrick Okori, 2019. Reducing Child Undernutrition through Dietary Diversification, Reduced Aflatoxin Exposure, and Improved Hygiene Practices: The Immediate Impacts in Central Tanzania. Ecology of Food and Nutrition Journal 2019. DOI/MS ID: 10.1080/03670244.2019.1691000.  Okori et al. See Africa RISING reports for 2016-2018.  **Crop Improvement**  Patrick Okori, Bright Jumbo, Peter Setimela, Dan Makumb, Wills Munthali, Peter Ngowi, James Njeru, Amsal Tarekegne, Elirehema Sw­ai, 2018. Deploying new resilient and nutrient dense cereal and legume crop varieties for unlocking livelihood opportunities in East and Southern Africa. In: Mateete E (ed). Africa RISING SI Handbook:  Variety release documentations (See attached documents)   1. New candidate groundnut for the semi-arid agro-ecologies of central Tanzania: 3 varieties: ICGV-SMs 02724, 05650 and 03519. 2. New candidate Sorghum varieties for the semi-arid agro-ecologies of central Tanzania5 varieties: Gambella 1107, IESV 23010 DL, IESV 92028 DL, IESV 23006 DL and IEVS 92008. 3. New candidate Pearl millet for the semi-arid agro-ecologies of central Tanzania: 6 varieties: SDMV 96053, SDMV 94005, IP 8774, IP 9776, SDMV 96063 and KAT PM 2.   Okori et al. See Africa RISING reports for 2016-2018. | |

**Participant list**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Farmers** | **Name** | **Village** | **Contact** | **Activity linked to Africa RISING in KK** |
| 1 | Abineri Mgomba | Mlali Iyegu | 762210526 | Conservation & Agro-forestry |
| 2 | Christina Joseph | Mlali Iyegu | 767376758 | Poultry |
| 3 | Moshi Maile | Mlali Iyegu | 759625178 | Poultry and Crop evaluation |
| 4 | Jackson Chyiwoya | Mlali | 753608732 | Conservation |
| 5 | Richard Mngurumi | Mlali | 783016170 | Conservation & crop evaluation |
| 6 | Winnie Saigodi | Moleti | 764110386 | Shelter belts & Nutrition |
| 7 | Prisca Seif | Moleti |  | Crop evaluation |
| 8 | Shabani Ngoi | Moleti | 767758096 | Crop evaluation |
| 9 | Elisha Luhunga | Moleti | 765152344 | Crop evaluation |
| 10 | Kaleb Mberesero | Laikala A | 753434543 | Conservation & crop evaluation |
|  |  |  |  |  |
| **Researchers** | **Name** | **Institution** | **Email** | **Role in the IP** |
| 1 | Erelihema Swai | ARI-Hombolo | [eyswai@yahoo.com](mailto:eyswai@yahoo.com) | Soil and Water conservation |
| 2 | Anthony Kimaro | ICRAF | [A.Kimaro@cgiar.org](mailto:A.Kimaro@cgiar.org) | Agro-forestry and cropping systems |
| 3 | Chrispin Rubanza | UDOM | [cdkrubanza@gmail.com](mailto:cdkrubanza@gmail.com) | Poultry and Livestock |
| 4 | Yasinta Muzanila | SUA | [muzanila1@yahoo.com](mailto:muzanila1@yahoo.com) | Nutrition |
| 5 | Patrick Okori | ICRISAT | [P.okori@cgiar.org](mailto:P.okori@cgiar.org) | Crop genetics |
| 6 | Wills Munthali | ICRISAT | [m.wills@cgiar.org](mailto:m.wills@cgiar.org) | Crop genetics |
| 7 | Peter Ngowi | ICRISAT | [ngowipeter@gmail.com](mailto:ngowipeter@gmail.com) | Crop genetics and Agronomy |
| 8 | Amos Ngwira | ICRISAT | A.Ngwira@cgiar.org |  |
| 9 | Wanjiku Gichohi | ICRISAT | W.Gichohi@cgiar.org |  |
| 10 | James Mwololo | ICRISAT | J.Mwololo@cgiar.org |  |
|  |  |  |  |  |
| **Extension** | **Name** | **Village** | **Contact** | **Role** |
| 1 | Kaleb Mberesero | Laikala A | 753434543 | Community Extension |
| 2 | Marcus Wongo | Mlali | 764932209 | Community Extension |
| 3 | Name to be provided | Moleti | 755949419 | Community Extension |
|  |  |  |  |  |
| **District Leaders** | **Name** | **District** | **Email** | **Role** |
| 1 | Jackson Shija | Kongwa | [jacksonshija@yahoo.com-754225245](mailto:jacksonshija@yahoo.com-754225245) | District Agriculture and Irrigation Cordinator |
|  |  |  |  |  |
| **Afro-dealers and processors** | **Name** | **Location** | **Contact** | **Role** |
| 1 | Sebastian Msola | Kibaigwa | 765433132 | Agro-processor |
| 2 | Chepe Makaranga | Kibaigwa | 754601438 | Agro-dealer |